

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12004

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01R12/24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 509 380 A (MOLEX INC) 21 October 1992 (1992-10-21)	1,2
Y	column 3, line 11 - column 5, line 5	4,6
Y	US 4 252 392 A (WHITEMAN JR ROBERT N) 24 February 1981 (1981-02-24) column 1, line 18	4
Y	EP 1 150 384 A (J S T MFG CO LTD) 31 October 2001 (2001-10-31) figure 7b	6
A	EP 1 154 524 A (SHARP KK) 14 November 2001 (2001-11-14)	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

15 March 2004

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23/03/2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0509380	A	21-10-1992	JP 5097063 U EP 0509380 A2 KR 9512466 B1 US 5181854 A	27-12-1993 21-10-1992 18-10-1995 26-01-1993
US 4252392	A	24-02-1981	AR 222406 A1 AT 2919 T AU 532395 B2 AU 6160680 A BR 8005522 A CA 1135357 A1 DE 3062533 D1 EP 0026568 A1 ES 8105894 A1 HK 3787 A IE 50044 B1 JP 1060908 B JP 1573294 C JP 56041678 A MX 147914 A	15-05-1981 15-04-1983 29-09-1983 09-04-1981 17-03-1981 09-11-1982 05-05-1983 08-04-1981 01-09-1981 16-01-1987 05-02-1986 26-12-1989 20-08-1990 18-04-1981 31-01-1983
EP 1150384	A	31-10-2001	JP 3472526 B2 JP 2001313109 A CN 1320966 A EP 1150384 A2 TW 483198 B US 2001036756 A1	02-12-2003 09-11-2001 07-11-2001 31-10-2001 11-04-2002 01-11-2001
EP 1154524	A	14-11-2001	JP 2001320143 A EP 1154524 A1 TW 488113 B US 2001041464 A1	16-11-2001 14-11-2001 21-05-2002 15-11-2001